

MULTIMEDIA



UNIVERSITY

STUDENT ID NO

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MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 1, 2018/2019

DWD5038 – WEB DESIGN
(DBA Students)

16 OCTOBER 2018
9.00 a.m. – 11.00 a.m.
(2 Hours)

INSTRUCTIONS TO STUDENT:

1. This question paper consists of 11 pages with 2 sections.
2. **SECTION A:** Answer **ALL** Multiple Choice Questions on the OMR sheet given.
3. **SECTION B:** Answer **ALL** Structured Questions in the Answer Booklet provided.

SECTION A [25 Marks]

Instruction: Answer *ALL* questions from this section and shade your answers on the OMR sheet provided.

1. _____ is the standard for transferring encrypted data on the web.
 - a. HTML
 - b. HTTPS
 - c. HTTP
 - d. TCP/IP
2. A _____ is a collection of publicly accessible, interlinked web pages that share a single domain name.
 - a. client
 - b. server
 - c. host
 - d. website
3. _____ is the use of convincing-looking emails and web pages to trap you into typing your account numbers and passwords/PINs.
 - a. Phishing
 - b. Spamming
 - c. Texting
 - d. Malware
4. In HTML, how can the output H₂O be generated in a paragraph?
 - a. H²O
 - b. <h1>H²O</h1>
 - c. <p>_{H2O}</p>
 - d. <p>H₂O</p>
5. When a background music is required to continuously repeat once the music ends, the _____ property can be used in the audio tags.
 - a. repeat
 - b. loop
 - c. autoplay
 - d. continue
6. When a list is required to start from a specific number, the _____ property can be used in HTML.
 - a. begin
 - b. from
 - c. start
 - d. run

Continued...

7. What will happen when `colspan="3"` is inserted into a `<td>` tag?
- 3 columns from the same row will be merged.
 - 3 columns from different rows will be merged.
 - The 3 columns will be invisible.
 - The 3 columns will be removed from the table.
8. The `value` property in a `<input>` tag for a button will _____.
- not have any effect on the button.
 - be used to assign a name for the button.
 - assign the click event of the button.
 - display a text on the button.
9. When the user is required to choose more than one option, which of the following form input types is the best to be used?
- text
 - radio
 - checkbox
 - reset
10. A default value can be set in a dropdown box by including the _____ property.
- selected
 - checked
 - default
 - chosen
11. When a form element is compulsory to be filled by the user, the _____ property can be used.
- mandatory
 - fill
 - required
 - confirm
12. A web form that includes a _____ input element will enable the users to give multiple lines of comments or feedbacks on products and services of a company.
- text
 - textarea
 - date
 - number
13. To force a user to enter the correct format of a website address, the _____ input type must be used.
- text
 - number
 - email
 - url

Continued...

14. Which of the following correctly states the coding syntax of CSS?
- a. selector { property : value; }
 - b. property { value : selector; }
 - c. value { selector : property; }
 - d. selector { value : property; }
15. Which of the following is **FALSE** about CSS?
- a. CSS enhances the design of a web page.
 - b. There are three methods in which CSS can be applied to a web page.
 - c. CSS is not case sensitive.
 - d. CSS is used to change the content of a web page.
16. An image can be duplicated to fully cover the background of a web page by using:
- a. background-image-repeat : repeat;
 - b. background-repeat : repeat;
 - c. image-repeat : full;
 - d. background-repeat : all;
17. The heading "This Exam Is Easy" is generated by which of the following CSS codes?
- a. h2 { text-transform : capitalize; }
 - b. h2 { text-transform : uppercase; }
 - c. h2 { text-decoration : capitalize; }
 - d. h2 { font-style : capitalize; }
18. The CSS padding property is used to:
- a. create a space around a text but outside of its borders.
 - b. include extra space between the letters of a text.
 - c. create a space around the text within its borders.
 - d. create curved corners for an element.
19. In CSS, the thickness of a border can be changed by using which of the following properties?
- a. border-area
 - b. border-width
 - c. border-thickness
 - d. border-size
20. To display a text on the browser, which of the following can be used in JavaScript?
- a. prompt();
 - b. alert();
 - c. document.write();
 - d. confirm();

Continued...

21. All of the following are **VALID** JavaScript variable names **EXCEPT**:
- a. GST_6%
 - b. marital_status
 - c. OUTSTANDINGFEES
 - d. LoginVersion3
22. Which of the following is **TRUE** about JavaScript?
- a. JavaScript is used to insert content into a web page.
 - b. JavaScript is a licensed software and is not free.
 - c. Comments cannot be included in a JavaScript code.
 - d. It is not compulsory to declare variables in JavaScript.
23. What will be the output of the following JavaScript code?
- ```
alert("It
is a
sunny day");
```
- a. It is a sunny day
  - b. It  
is a  
sunny day
  - c. It <br />is a <br />sunny day
  - d. This statement has errors and cannot be executed.
24. How would you declare a variable called *campus* that is assigned the value "*Melaka*" in JavaScript?
- a. var campus = Melaka;
  - b. var campus = "Melaka";
  - c. campus : "Melaka"
  - d. var "Melaka" = campus;
25. In JavaScript, the symbol that represents "not equals to" is:
- a. ==
  - b. <=
  - c. !=
  - d. &&

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Continued...

**SECTION B [75 Marks]**

**Instruction:** Answer *ALL* questions from this section in the Answer Booklet provided.

**QUESTION 1**

- (a) Write the HTML codes for the form shown below. (9 marks)
- The title uses heading level 2.
  - The second line is a paragraph.
  - There is a hint in the Name text box.
  - The Recent Photo accepts only single upload in either *.png* or *.jpg* file types.

| SAMPLE OUTPUT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <h2 style="text-align: center; margin: 0;">Welcome to our company!</h2> <p style="margin: 10px 0;">Congratulations! You have been selected to join our company. Please fill in the form.</p> <p>Name : <input style="width: 150px;" type="text" value="Enter your name here..."/></p> <p>Personal Email Address : <input style="width: 150px;" type="text"/></p> <p>Required Stationery : <input type="checkbox"/> Pen <input type="checkbox"/> A4 Paper <input type="checkbox"/> Calculator</p> <p>Corporate Shirt Colour : <input style="width: 40px;" type="text" value="Black"/></p> <p>Recent Photo : <input style="width: 80px;" type="button" value="Choose File"/> No file chosen</p> <div style="display: flex; justify-content: center; gap: 20px; margin-top: 10px;"> <input style="width: 60px;" type="button" value="Save Now"/> <input style="width: 60px;" type="button" value="Clear Form"/> </div> |  |

- (b) Write the HTML codes for the table shown below. (6 marks)
- The width of the table is 750px.

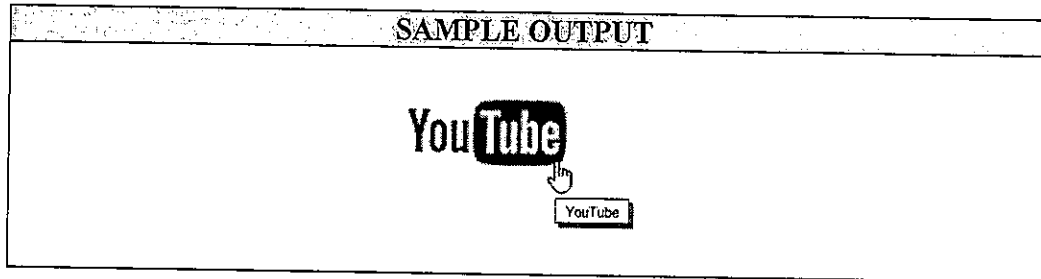
| FOOD AND TYPE       |                     | PREPARATION TIME | NUMBER OF SERVINGS |
|---------------------|---------------------|------------------|--------------------|
| Banana Pudding      | Dessert             | 45 min           | 8 person           |
| Baked Chicken Wings | Appetizers & Snacks | 30 min           | 2 person           |
| Asian Lettuce Wraps |                     | 40 min           | 4 person           |

Continued...

(c) Write the HTML codes based on the following descriptions.

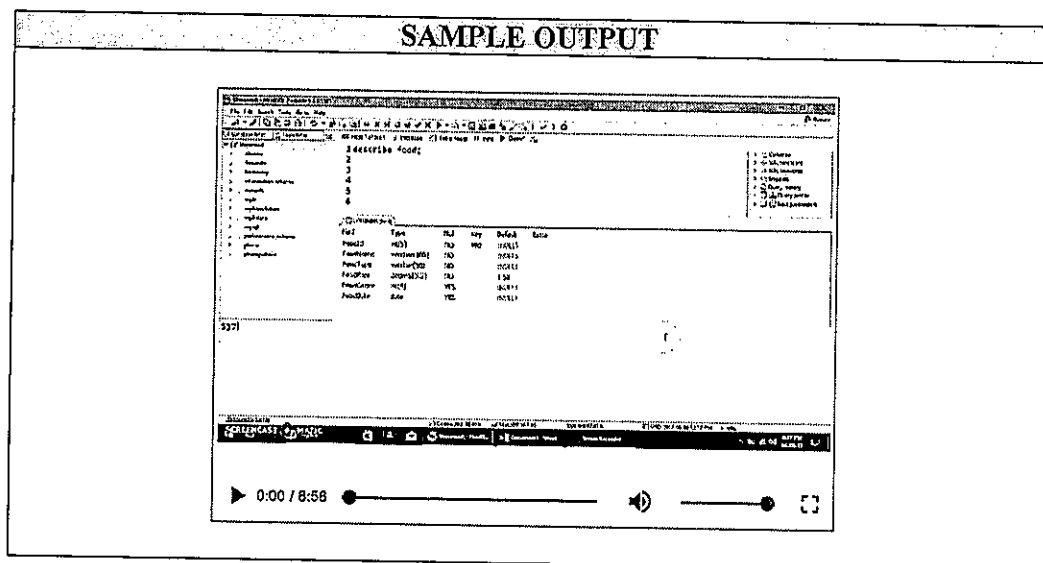
- i. Create an image hyperlink that links to <https://www.youtube.com>. The image name is *logo.png*. The website will open in a new tab or browser. When the mouse goes over the image, there will be a tool-tip stating "YouTube".

(3 marks)



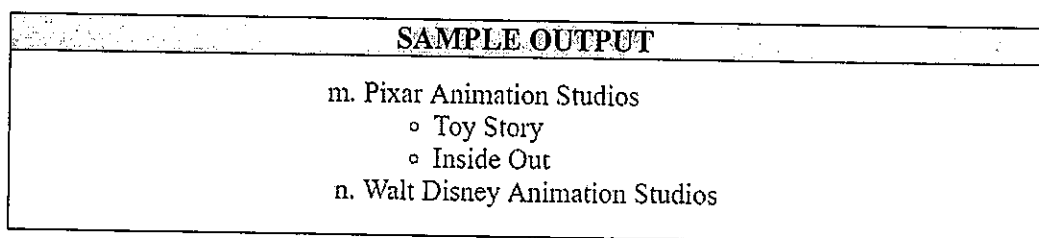
- ii. Insert a movie video into a web page. The video file name is *lesson\_1.mp4*. The screen width is 500 and the height is 400. The player controls must also be shown. Show the user a message "Your browser does not support the video tag" if the browser is not capable to display the video. The sample output is shown below.

(3 marks)



- iii. Show the following list.

(4 marks)



(Total: 25 marks)

Continued...

**QUESTION 2**

(a) Write the **Internal CSS** codes based on the following descriptions. (10 marks)

- The table:
  - Has a single collapsed border.
  - The table width is 600px.
- The table headings:
  - The text color will be Red.
  - The text is in all capital letters.
- Table headings and cells:
  - The text is left aligned.
  - The bottom border is 1px thick. The pattern is dashed and the colour is Blue.
- When the cursor goes over the table rows, the background color changes to Silver.

| SAMPLE OUTPUT |                                    |            |                  |
|---------------|------------------------------------|------------|------------------|
| INVOICE NO.   | ITEM NAME                          | ITEM PRICE | DELIVERY CHARGES |
| 28982         | USB Fan                            | RM 29.90   | Free             |
| 29037         | Leather Crossbody Bag Shoulder Bag | RM 39.50   | RM 4.50          |
| 30256         | Outdoor Sport Mini Camera          | RM 52.50   | Free             |

(b) Write the **External CSS** codes based on the following descriptions. (15 marks)

- The background colour of the web page is yellow.
- Heading level 2:
  - The text colour is white.
  - The text has a red shadow. The horizontal and vertical shadow is 2px without any blur.
  - The text is underlined.
  - The text is located at the center of the page.
- The *label* class:
  - The text is blue and bold.
- The *desc* id:
  - The font is italic.
- The hyperlink:
  - There is no underline.
  - The text colour is SandyBrown.
  - When the cursor goes over the text, the text will have a line over it and the size of the font will change to 0.8em.

Continued...

**SAMPLE OUTPUT****Company Snapshot**

A brief description of our company:

**Industry :** *Automobile/Vehicle*

**Company Size :** *500 to 1000 employees*

**Facebook Fan Page :** *MAUV<sub>5</sub>-Auto*

(Total:25 marks)

Continued...

**QUESTION 3**

- (a) Write the JavaScript codes based on the descriptions given below. This program calculates the total claims for an employee based on their travelling. (16 marks)
- Declare all the variables used in the program and assign them the value of 0 or an empty string where applicable. The daily *lunch\_rate* is RM45.00.
  - Get the employee name from the user using a prompt box. Save the value in variable *emp\_name*.
  - Get the employee id from the user using a prompt box. Save the value in variable *emp\_id*.
  - Get the distance travelled in kilometers from the user using a prompt box. Save the value in variable *distance*.
  - Get the number of days from the user using a prompt box. Save the value in variable *days*.
  - Using *if..else* statement:
    - Check to see if the distance is more than 250 kilometers. If it is, the *mileage\_rate* is RM0.60 per kilometer.
    - Otherwise the *mileage\_rate* will be RM0.80 per kilometer.
  - Calculate the claims for *mileage* and *meal*.
  - Calculate the *total\_claims*.
  - Display the results as shown below.

**SAMPLE OUTPUT**

This page says

Employee Name :

This page says

Employee ID :

Continued...

**SAMPLE OUTPUT (CONTINUED)**

This page says

Distance travelled in Km :

This page says

Number of days :

Staff Name and ID : Ali Hassan (1022)  
 Distance and Number of Days : 294.5 -- 3  
 Mileage : RM 176.7  
 Lunch : RM 135  
 Claims : RM 311.7

(b) Write only the *if..else* JavaScript codes based on the table given below.

(6 marks)

| Code         | Message displayed to the user using <i>alert()</i> .                                                                          |
|--------------|-------------------------------------------------------------------------------------------------------------------------------|
| e-Filing     | You have chosen e-Filing. This is a method to electronically complete and submit your Income Tax and Return Form.             |
| e-PCB        | You have chosen e-PCB. This is for employers without computerised payroll system to calculate and check Monthly Tax Deduction |
| Other values | This is an INVALID code.                                                                                                      |

(c) Using JavaScript, create a variable called *play*. Ask the user whether they would like to play a game using a *confirm()* box. If they agree, display an *alert()* stating "Game will start in 5 seconds.". Otherwise display and *alert()* stating "Game Over.". (3 marks)

Continued...

**SAMPLE OUTPUT**

Ask the user using a confirm() box.

An embedded page on this page says

Do you want to play this game?

If the user clicks on the OK button, display the following message.

An embedded page on this page says

Game will start in 5 seconds

If the user clicks on the Cancel button, display the following message.

An embedded page on this page says

Game Over

(Total: 25 marks)